AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1- 26. (canceled)

27. (new) A recording apparatus for forming an image on a recording medium, the apparatus comprising:

an image processing unit configured to create a first recording data by reading pattern data for recording positional information image representing positions on a recording medium and to create a second recording data by reading recording data for recording an image;

a recording control unit configured to record the positional information image and the image concurrently based on the first and second recording data,

wherein a first black ink detectable by a predetermined detector is used to record the positional information image and cyan ink, magenta ink, yellow ink, and a second black ink, which are undetectable by the predetermined detector, are used to record the image.

28. (new) An apparatus according to claim 27, wherein the positional information image represents positions on the recording medium by combining positions of a plurality of spots recorded on the recording medium.

29. (new) An apparatus according to claim 28, wherein the dots are recorded on virtual lattice points of the recording medium.

30. (new) An apparatus according to claim 27, wherein the first black ink is recorded using a first recording head and the cyan ink, magenta ink, yellow ink, and second black ink are recorded using a second recording head.

31. (new) An apparatus according to claim 27, wherein the first black ink is a carbon ink and the cyan ink, magenta ink, yellow ink, and second black ink are carbon-free inks.

32. (new) A method for forming an image on a recording medium, the method comprising:

creating a first recording data by reading pattern data for recording positional information image representing positions on a recording medium and creating a second recording data by reading recording data for recording an image;

recording the positional information image and the image concurrently based on the first and second recording data,

wherein a first black ink detectable by a predetermined detector is used to record the positional information image and cyan ink, magenta ink, yellow ink, and a second black ink, which are undetectable by the predetermined detector, are used to record the image.

33. (new) A method according to claim 32, wherein the positional information image represents positions on the recording medium by combining positions of a plurality of spots recorded on the recording medium.

34. (new) A method according to claim 33, wherein the dots are recorded on virtual lattice points of the recording medium.

35. (new) A method according to claim 32, wherein the first black ink is recorded using a first recording head and the cyan ink, magenta ink, yellow ink, and second black ink are recorded using a second recording head.

36. (new) A method according to claim 32, wherein the first black ink is a carbon ink and the cyan ink, magenta ink, yellow ink, and second black ink are carbon-free inks.

37. (new) A computer-readable storage medium storing computer-executable process steps, the computer-executable process steps causing a computer to execute the method of claim 32.